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### 1 [Efficient channel allocation tree generation for data broadcasting in a mobile computing environment](#)

Wen-Chih Peng, Ming-Syan Chen

March 2003 **Wireless Networks**, Volume 9 Issue 2**Publisher:** Kluwer Academic Publishers

Full text available: pdf(237.95 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The research issue of broadcasting has attracted a considerable amount of attention in a mobile computing system. By utilizing broadcast channels, a server continuously and repeatedly broadcasts data to mobile users. These broadcast channels are also known as "broadcast disks" from which mobile users can retrieve data. Using broadcasting, mobile users can obtain the data of interest efficiently and only need to wait for the required data to present on the broadcast channel. The issue of designin ...

**Keywords:** broadcast disks, broadcast programs, mobile computing, multiple broadcast channels

### 2 [A graph theoretic framework for preventing the wormhole attack in wireless ad hoc networks](#)

Radha Poovendran, Loukas Lazos

January 2007 **Wireless Networks**, Volume 13 Issue 1**Publisher:** Kluwer Academic Publishers

Full text available: pdf(1.37 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Wireless ad hoc networks are envisioned to be randomly deployed in versatile and potentially hostile environments. Hence, providing secure and uninterrupted communication between the un-tethered network nodes becomes a critical problem. In this paper, we investigate the wormhole attack in wireless ad hoc networks, an attack that can disrupt vital network functions such as routing. In the wormhole attack, the adversary establishes a low-latency unidirectional or bi-directional link, such as a wir ...

**Keywords:** geometric random graphs, security, wireless ad hoc networks, wormhole attack

### 3 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97****Publisher:** IBM Press

Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

#### 4 Cryptography and data security

Dorothy Elizabeth Robling Denning

January 1982 Book

**Publisher:** Addison-Wesley Longman Publishing Co., Inc.

Full text available:  pdf(19.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

##### **From the Preface (See Front Matter for full Preface)**

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.


Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

#### 5 Implementing sequentially consistent shared objects using broadcast and point-to-point communication

Alan Fekete, M. Frans Kaashoek, Nancy Lynch

January 1998 **Journal of the ACM (JACM)**, Volume 45 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(257.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents and proves correct a distributed algorithm that implements a sequentially consistent collection of shared read/update objects. This algorithm is a generalization of one used in the Orca shared object system. The algorithm caches objects in the local memory of processors according to application needs; each read operation accesses a single copy of the object, while each update accesses all copies. The algorithm uses broadcast communication when it sends messages to replic ...


**Keywords:** Orca programming language, distributed shared memory, formal methods, input/output automata, ordered multicast, replicated data

#### 6 Obstacle-free geocasting protocols for single/multi-destination short message services in ad hoc networks

Chih-Yung Chang, Chao-Tsun Chang, Shin-Chih Tu

March 2003 **Wireless Networks**, Volume 9 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  pdf(440.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile ad hoc networks (MANET) comprise mobile hosts in a network bereft of base stations and characterized by a highly dynamic network topology. The MANET environment contains unpredictable obstacles, such as mountains, lakes, buildings, or regions without any hosts, impeding or blocking message relay. This study proposes geocasting protocols for sending short message from a source host to single or multiple geocasting regions in ad hoc networks. The proposed protocols keep messages away from u ...

**Keywords:** ad hoc network, cellular-based management, flooding overhead, geocasting, obstacle, short message

7 Interleaved hop-by-hop authentication against false data injection attacks in sensor networks



Sencun Zhu, Sanjeev Setia, Sushil Jajodia, Peng Ning

August 2007 **ACM Transactions on Sensor Networks (TOSN)**, Volume 3 Issue 3

**Publisher:** ACM Press

Full text available: pdf(369.71 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Sensor networks are often deployed in unattended environments, thus leaving these networks vulnerable to *false data injection attacks* in which an adversary injects false data into the network with the goal of deceiving the base station or depleting the resources of the relaying nodes. Standard authentication mechanisms cannot prevent this attack if the adversary has compromised one or a small number of sensor nodes. We present three interleaved hop-by-hop authentication schemes that gu ...

**Keywords:** Authentication, filtering false data, interleaved hop-by-hop, sensor networks

8 Session 4: static analysis: Using model checking with symbolic execution to verify parallel numerical programs



Stephen F. Siegel, Anastasia Mironova, George S. Avrunin, Lori A. Clarke

July 2006 **Proceedings of the 2006 international symposium on Software testing and analysis ISSTA '06**

**Publisher:** ACM Press

Full text available: pdf(193.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a method to verify the correctness of parallel programs that perform complex numerical computations, including computations involving floating-point arithmetic. The method requires that a sequential version of the program be provided, to serve as the specification for the parallel one. The key idea is to use model checking, together with symbolic execution, to establish the equivalence of the two programs.

**Keywords:** MPI, concurrency, finite state verification, floating-point, high performance computing, message passing interface, model checking, numerical program, parallel programming, spin, symbolic execution

9 Software verification: Towards security monitoring patterns



George Spanoudakis, Christos Kloukinas, Kelly Androutsopoulos

March 2007 **Proceedings of the 2007 ACM symposium on Applied computing SAC '07**

**Publisher:** ACM Press

Full text available: pdf(135.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Runtime monitoring is performed during system execution to detect whether the system's behaviour deviates from that described by requirements. To support this activity we have developed a monitoring framework that expresses the requirements to be monitored in event calculus - a formal temporal first order language. Following an investigation of how this framework could be used to monitor security requirements, in this paper we propose patterns for expressing three basic types of such requirem ...

**Keywords:** event calculus, runtime monitoring, security patterns

10 Dynamic leveling: adaptive data broadcasting in a mobile computing environment

Wen-Chih Peng, Jiun-Long Huang, Ming-Syan Chen

August 2003 **Mobile Networks and Applications**, Volume 8 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  pdf(185.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The research issue of broadcasting has attracted a considerable amount of attention in a mobile computing system. By utilizing broadcast channels, a server is able to continuously and repeatedly broadcast data to mobile users. From these broadcast channels, mobile users obtain the data of interest efficiently and only need to wait for the required data to be present on the broadcast channel. Given the access frequencies of data items, one can design proper data allocation in the broadcast channel ...

**Keywords:** broadcast disks, broadcast programs, mobile computing, multiple broadcast channels


# 11 [Empirical performance evaluation of concurrency and coherency control protocols for database sharing systems](#)



Erhard Rahm

June 1993 **ACM Transactions on Database Systems (TODS)**, Volume 18 Issue 2

**Publisher:** ACM Press

Full text available:  pdf(3.37 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Database Sharing (DB-sharing) refers to a general approach for building a distributed high performance transaction system. The nodes of a DB-sharing system are locally coupled via a high-speed interconnect and share a common database at the disk level. This is also known as a "shared disk" approach. We compare database sharing with the database partitioning (shared nothing) approach and discuss the functional DBMS components that require new and coordinated solutions for DB-sharing ...

**Keywords:** coherency control, concurrency control, database partitioning, database sharing, performance analysis, shared disk, shared nothing, trace-driven simulation

# 12 [Physical privacy: Privacy management for portable recording devices](#)



J. Alex Halderman, Brent Waters, Edward W. Felten

October 2004 **Proceedings of the 2004 ACM workshop on Privacy in the electronic society WPES '04**

**Publisher:** ACM Press

Full text available:  pdf(321.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The growing popularity of inexpensive, portable recording devices, such as cellular phone cameras and compact digital audio recorders, presents a significant new threat to privacy. We propose a set of technologies that can be integrated into recording devices to provide stronger, more accurately targeted privacy protections than other legal and technical measures now under consideration. Our design is based on an informed consent principle, which it supports by the use of novel devices and protocols ...

**Keywords:** camera phones, privacy, recording devices

# 13 [On the time complexity of broadcast communication schemes \(Preliminary Version\)](#)



Albert G. Greenberg


May 1982 **Proceedings of the fourteenth annual ACM symposium on Theory of computing STOC '82**

**Publisher:** ACM Press

Full text available:  pdf(661.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper, we investigate the power of such broadcast in solving a paradigmatic problem in distributed computing. Imagine a network in which each node machine  $N_i$  ( $1 \leq i \leq n$ ) keeps a Boolean value  $v_i$  in local memory. The  $v_i$ 's determine a set  $S = \{i : v_i = 1\}$ . The non-emptiness problem on  $n$  nodes is to find some  $i$  in  $S$ , or else find that  $S$  is empty. In practice, a problem of this type arises ...

#### 14 Fast algorithms for universal quantification in large databases

 Goetz Graefe, Richard L. Cole

June 1995 **ACM Transactions on Database Systems (TODS)**, Volume 20 Issue 2


**Publisher:** ACM Press

Full text available:  pdf(3.51 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Universal quantification is not supported directly in most database systems despite the fact that it adds significant power to a system's query processing and inference capabilities, in particular for the analysis of many-to-many relationships and of set-valued attributes. One of the main reasons for this omission has been that universal quantification algorithms and their performance have not been explored for large databases. In this article, we describe and compare three known algorithms ...

#### 15 On the composition of authenticated Byzantine Agreement

 Yehuda Lindell, Anna Lysyanskaya, Tal Rabin

November 2006 **Journal of the ACM (JACM)**, Volume 53 Issue 6

**Publisher:** ACM Press


Full text available:  pdf(415.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A fundamental problem of distributed computing is that of simulating a secure broadcast channel, within the setting of a point-to-point network. This problem is known as Byzantine Agreement (or Generals) and has been the focus of much research. Lamport et al. [1982] showed that in order to achieve Byzantine Agreement in the plain model, more than two thirds of the participating parties must be honest. They further showed that by augmenting the network with a public-key infrastructure for digital ...


**Keywords:** Authenticated Byzantine Agreement, lower bounds, protocol composition, randomized protocols

#### 16 A survey of rollback-recovery protocols in message-passing systems

 E. N. (Mootaz) Einozahy, Lorenzo Alvisi, Yi-Min Wang, David B. Johnson

September 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 3

**Publisher:** ACM Press


Full text available:  pdf(549.68 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This survey covers rollback-recovery techniques that do not require special language constructs. In the first part of the survey we classify rollback-recovery protocols into *checkpoint-based* and *log-based*. *Checkpoint-based* protocols rely solely on checkpointing for system state restoration. Checkpointing can be coordinated, uncoordinated, or communication-induced. *Log-based* protocols combine checkpointing with logging of nondeterministic events, encoded in tuples call ...


**Keywords:** message logging, rollback-recovery

#### 17 Trust but verify: accountability for network services

 Aydan R. Yumerefendi, Jeffrey S. Chase

September 2004 **Proceedings of the 11th workshop on ACM SIGOPS European workshop: beyond the PC EW11**

**Publisher:** ACM Press

Full text available:  pdf(132.49 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper promotes *accountability* as a central design goal for dependable networked systems. We define three properties for accountable systems that extend beyond the basic security properties of authentication, privacy, and integrity. These accountability properties reduce the vulnerability of network services to subversion, tampering, corruption, and abuse. For example, actions taken in accountable systems and their clients

are provable or even legally binding, to support contractual r ...

## 18 Distributed, object-based programming systems



Roger S. Chin, Samuel T. Chanson

March 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 1

**Publisher:** ACM Press

Full text available: pdf(2.97 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The development of distributed operating systems and object-based programming languages makes possible an environment in which programs consisting of a set of interacting modules, or objects, may execute concurrently on a collection of loosely coupled processors. An object-based programming language encourages a methodology for designing and creating a program as a set of autonomous components, whereas a distributed operating system permits a collection of workstations or personal computers ...

**Keywords:** capability scheme, distributed operating systems, error recovery, method invocation, nested transaction, object model, object reliability, object-based programming languages, processor allocation, resource management, synchronization, transaction

## 19 Classics in software engineering



January 1979 Divisible Book

**Publisher:** Yourdon Press

Additional Information: [full citation](#), [cited by](#), [index terms](#)

## 20 201 principles of software development



Alan M. Davis

January 1995 Book

**Publisher:** McGraw-Hill, Inc.

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

### From the Preface

If software engineering is really an engineering discipline, it is the intelligent application of proven principles, techniques, languages, and tools to the cost-effective creation and maintenance of software that satisfies users' needs. This book is the first collection of software engineering principles ever written in one volume. A principle is a basic truth, rule, or assumption about software engineering that holds regardless of the technique, tool, or ...

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| IEEE JNL | IEEE Journal or Magazine   |
| IET JNL  | IET Journal or Magazine    |
| IEEE CNF | IEEE Conference Proceeding |
| IET CNF  | IET Conference Proceeding  |
| IEEE STD | IEEE Standard              |

## Article Information

## 1. MF AM antenna radiation pattern verification method by near field measurements

Stangl, N.;

[Broadcasting, IEEE Transactions on](#)Volume 47, [Issue 3](#), Sept. 2001 Page(s):285 - 291

Digital Object Identifier 10.1109/11.969377

[Abstract](#) | [Full Text: PDF\(335 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)

## 2. Meaningful scene filtering for TV terminals

Sung Ho Jin; Jun Ho Cho; Yong Man Ro; Hub Woo Hong;

[Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. International Conference on](#)  
7-11 Jan. 2006 Page(s):405 - 406

Digital Object Identifier 10.1109/ICCE.2006.1598482

[Abstract](#) | [Full Text: PDF\(136 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)

## 3. Iterative multiuser receiver for multiresolution broadcasting

Ibars, C.; Pfletschinger, S.;

[Signals, Systems and Computers, 2004. Conference Record of the Thirty-Eighth Asilomar Conference on](#)  
Volume 1, 7-10 Nov. 2004 Page(s):1101 - 1104 Vol.1

Digital Object Identifier 10.1109/ACSSC.2004.1399311

[Abstract](#) | [Full Text: PDF\(581 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)

## 4. A fault-tolerant distributed subcube management scheme for hypercube multicomputer systems

Chen, Y.-L.; Liu, J.-C.;

[Parallel and Distributed Systems, IEEE Transactions on](#)Volume 6, [Issue 7](#), July 1995 Page(s):766 - 772

Digital Object Identifier 10.1109/71.395406

[Abstract](#) | [Full Text: PDF\(616 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)

## 5. A combined method for maintaining large indices in multiprocessor multidisk environments

Matsliach, G.; Shmueli, O.;

[Knowledge and Data Engineering, IEEE Transactions on](#)Volume 6, [Issue 3](#), June 1994 Page(s):479 - 496

Digital Object Identifier 10.1109/69.334867

[Abstract](#) | [Full Text: PDF\(1608 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)

## 6. Automatic detection of TV commercials

Satterwhite, B.; Marques, O.;

[Potentials, IEEE](#)Volume 23, [Issue 2](#), Apr-May 2004 Page(s):9 - 12

Digital Object Identifier 10.1109/MP.2004.1309790

[Abstract](#) | [Full Text: PDF\(453 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)

7. **Virtual camerawork for generating lecture video from high resolution images**  
Yokoi, T.; Fujiyoshi, H.;  
[Multimedia and Expo. 2005. ICME 2005. IEEE International Conference on](#)  
6-8 July 2005 Page(s):4 pp.  
Digital Object Identifier 10.1109/ICME.2005.1521532  
  
[Abstract](#) | [Full Text: PDF\(584 KB\)](#) IEEE CNF  
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8. **Digital watermarks for audio integrity verification**  
Petrovic, R.;  
[Telecommunications in Modern Satellite, Cable and Broadcasting Services, 2005. 7th International Conference on](#)  
Volume 1, 28-30 Sept. 2005 Page(s):215 - 220 vol. 1  
Digital Object Identifier 10.1109/TELSKS.2005.1572095  
  
[Abstract](#) | [Full Text: PDF\(1112 KB\)](#) IEEE CNF  
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9. **Hierarchical video-on-demand servers for TV-anytime services**  
Luling, R.;  
[Computer Communications and Networks, 1999. Proceedings. Eight International Conference on](#)  
11-13 Oct. 1999 Page(s):110 - 117  
Digital Object Identifier 10.1109/ICCCN.1999.805504  
  
[Abstract](#) | [Full Text: PDF\(592 KB\)](#) IEEE CNF  
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Weiping Xu; Chockalingam, A.; Milstein, L.B.;  
[Universal Personal Communications Record, 1997. Conference Record, 1997 IEEE 6th International Conference on](#)  
12-16 Oct. 1997 Page(s):183 - 187 vol.1  
Digital Object Identifier 10.1109/ICUPC.1997.625534  
  
[Abstract](#) | [Full Text: PDF\(580 KB\)](#) IEEE CNF  
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11. **A Critical Study of Two Broadcast Antennas**  
Smith, C.E.;  
[Proceedings of the IRE](#)  
Volume 24, [Issue 10](#), Oct. 1936 Page(s):1329 - 1341  
  
[Abstract](#) | [Full Text: PDF\(2544 KB\)](#) IEEE JNL  
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12. **A visual feature based video identifying system for the TV commercial's monitoring**  
Sung Hwan Lee; Won Young Yoo; Young Suk Yoon;  
[Advanced Communication Technology, 2006. ICACT 2006. The 8th International Conference](#)  
Volume 1, 20-22 Feb. 2006 Page(s):4 pp.  
  
[Abstract](#) | [Full Text: PDF\(1864 KB\)](#) IEEE CNF  
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### Gentoo Linux Documentation -- Configuring your Network

To assign an IP address, you will need your IP address, **broadcast** address and netmask.

Then **execute** the following command, substituting \${IP\_ADDR} with your ...

[www.gentoo.org/doc/en/handbook/handbook-x86.xml?part=1&chap=3](http://www.gentoo.org/doc/en/handbook/handbook-x86.xml?part=1&chap=3) - 38k -

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### perf(1M)

Variable length output argument, client 2 host passes calls/pass **verify**? idempotent?

nbytes. **Broadcast**, client 3 family. Maybe, client 4 host ...

[www.docs.hp.com/en/B2355-90129/perf.1M.html](http://www.docs.hp.com/en/B2355-90129/perf.1M.html) - 32k - [Cached](#) - [Similar pages](#)

### SHOWNODE

When you **broadcast** or **execute** a command on a list, you **execute** the command ... and

H. We will now use the SHOWLIST command to **verify** that we correctly added ...

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### mod\_backhand: use your resources

After it has begun **broadcasting**, check your modbackhand server to **verify** that it is receiving the broadcasts from NT BH Broadcaster. ...

[www.backhand.org/mod\\_backhand/ntbhb-readme.shtml](http://www.backhand.org/mod_backhand/ntbhb-readme.shtml) - 16k - [Cached](#) - [Similar pages](#)

### O'Reilly - Safari Books Online - 0130352098 - HP OpenView System ...

30. Test action execution. Use command **broadcast** and run a command (i.e. hostname), If successful actions work in general. 31 **Verify** agent status ...

[safari.oreilly.com/0130352098/ch22lev1sec2](http://safari.oreilly.com/0130352098/ch22lev1sec2) - [Similar pages](#)

### Parallel Environment for AIX 5L V4.3 Installation - Broadcast test ...

The purpose of this sample is to perform a **broadcast** from task 0 to the rest of the nodes ...

**VERIFY**: your output by comparing it with the following output. ...

[publib.boulder.ibm.com/infocenter/clresctr/](http://publib.boulder.ibm.com/infocenter/clresctr/)

[vxrx/topic/com.ibm.cluster.pe.doc/pe\\_43/am101a0562.html](http://vxrx/topic/com.ibm.cluster.pe.doc/pe_43/am101a0562.html) - 9k - [Cached](#) - [Similar pages](#)

### Roku Forums :: View topic - Problem (SOLVED): Cannot access shared ...

I plan to **verify** my **broadcast** address(s) via my DHCP. 2- I read somewhere that Norton Internet ... Can you run 'free' before you **execute** the command? ...

[forums.rokulabs.com/viewtopic.php?t=370](http://forums.rokulabs.com/viewtopic.php?t=370) - 82k - [Cached](#) - [Similar pages](#)

### [CBJOB] FW: Broadcast-jobs digest, Vol 1 #392 - 6 msgs

This position will be responsible for helping to **execute** UNC-TV's multiple digital ...

satisfactory evidence to **verify** employability and identification. ...

<https://mailman.rice.edu/pipermail/cbjob/2004-October/000434.html> - 16k -

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and **verify** the conjecture that bus bandwidth is not .... 8. then **broadcast** actions that

<http://www.google.com/search?sourceid=navclient&ie=UTF-8&rls=GGLD,GGLD:2004-30,GGLD:en&q...> 9/16/07

change. shared WMEs. 9. **execute** actions that change. shared WMEs ...  
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[www.gentoo.org/doc/en/handbook/handbook-x86.xml?part=1&chap=3](http://www.gentoo.org/doc/en/handbook/handbook-x86.xml?part=1&chap=3) - 38k -  
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[www.docs.hp.com/en/B2355-90129/perf.1M.html](http://www.docs.hp.com/en/B2355-90129/perf.1M.html) - 32k - [Cached](#) - [Similar pages](#)

### SHOWNODE

When you **broadcast** or **execute** a command on a list, you **execute** the command ... and H. We will now use the SHOWLIST command to **verify** that we correctly added ...  
[www.docs.hp.com/en/36920-90008/ch08s09.html](http://www.docs.hp.com/en/36920-90008/ch08s09.html) - 25k - [Cached](#) - [Similar pages](#)  
[ [More results from www.docs.hp.com](#) ]

### mod\_backhand: use your resources

After it has begun **broadcasting**, check your modbackhand server to **verify** that it is receiving the broadcasts from NT BH Broadcaster. ...  
[www.backhand.org/mod\\_backhand/ntbhb-readme.shtml](http://www.backhand.org/mod_backhand/ntbhb-readme.shtml) - 16k - [Cached](#) - [Similar pages](#)

### O'Reilly - Safari Books Online - 0130352098 - HP OpenView System ...

30. Test action execution. Use command **broadcast** and run a command (i.e. hostname), If successful actions work in general. 31 **Verify** agent status ...  
[safari.oreilly.com/0130352098/ch22lev1sec2](http://safari.oreilly.com/0130352098/ch22lev1sec2) - [Similar pages](#)

### Parallel Environment for AIX 5L V4.3 Installation - Broadcast test ...

The purpose of this sample is to perform a **broadcast** from task 0 to the rest of the nodes ...  
**VERIFY**: your output by comparing it with the following output. ...  
[publib.boulder.ibm.com/infocenter/clresctr/vxrx/topic/com.ibm.cluster.pe.doc/pe\\_43/am101a0562.html](http://publib.boulder.ibm.com/infocenter/clresctr/vxrx/topic/com.ibm.cluster.pe.doc/pe_43/am101a0562.html) - 9k - [Cached](#) - [Similar pages](#)

### Roku Forums :: View topic - Problem (SOLVED): Cannot access shared ...

I plan to **verify** my **broadcast** address(s) via my DHCP. 2- I read somewhere that Norton Internet ... Can you run 'free' before you **execute** the command? ...  
[forums.rokulabs.com/viewtopic.php?t=370](http://forums.rokulabs.com/viewtopic.php?t=370) - 82k - [Cached](#) - [Similar pages](#)

### [CBJOB] FW: Broadcast-jobs digest, Vol 1 #392 - 6 msgs

This position will be responsible for helping to **execute** UNC-TV's multiple digital ... satisfactory evidence to **verify** employability and identification. ...  
<https://mailman.rice.edu/pipermail/cbjob/2004-October/000434.html> - 16k -  
[Cached](#) - [Similar pages](#)

### [PDF] OCR'd document

and **verify** the conjecture that bus bandwidth is not .... 8. then **broadcast** actions that

<http://www.google.com/search?sourceid=navclient&ie=UTF-8&rls=GGLD,GGLD:2004-30,GGLD:en&q...> 9/16/07

change. shared WMEs. 9. **execute** actions that change. shared WMEs ...  
ieeexplore.ieee.org/iel2/3156/8974/00395860.pdf?arnumber=395860 - [Similar pages](#)

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## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|-------|------------------|---------|------------------|
| L1    | 36    | record\$4 same (identify\$4 adj information) same verify\$4 same process\$4   | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L2    | 11    | record\$4 same (identify\$4 adj information) same verify\$4 and process\$4 and serial and password  | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L3    | 1     | (network adj managment adj server)  | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L4    | 11    | record\$4 same (identify\$4 adj information)and verify\$4 and process\$4 and serial and password and control\$4 and 709/2\$\$ccls. and network                    | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L5    | 19    | (management adj server)and broadcast and storage and (serial adj number) and (television or tv)   | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L6    | 6     | (network adj server)and (identify\$4 adj information) and verify\$4 and (serial adj number) and equipment and 709/2\$\$ccls.                                      | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L7    | 6     | client and server and record\$4 same (identify\$4 adj information)and verify\$4 and process\$4 and serial and password and control\$4 and 709/2\$\$ccls.          | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L8    | 148   | (network adj server) same database and broadcast\$4 and 709/2\$\$ccls.  | USPAT | OR               | ON      | 2007/09/16 14:05 |
| L9    | 66    | (management adj server)and broadcast and storage and (serial adj number)  | USPAT | OR               | ON      | 2007/09/16 14:06 |
| L10   | 1     | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and (information adj record\$3) and (serial adj number) and identif\$4 and profile | USPAT | OR               | ON      | 2007/09/16 14:06 |
| L11   | 6     | record\$4 same (identify\$4 adj information)and verify\$4 and process\$4 and serial and password and control\$4 and 709/2\$\$ccls. and client same server         | USPAT | OR               | ON      | 2007/09/16 14:06 |
| L12   | 441   | (network adj server) same database and broadcast\$4   | USPAT | OR               | ON      | 2007/09/16 14:06 |
| L13   | 24415 | SONY-CORPORATION.as.(network adj server) same database and broadcast\$4   | USPAT | OR               | ON      | 2007/09/16 14:07 |

## EAST Search History

|     |       |   |                    |    |    |                  |
|-----|-------|---|--------------------|----|----|------------------|
| L14 | 23983 | SONY-CORPORATION.as.<br>(andnetwork adj server) same<br>database and broadcast\$4                 | USPAT              | OR | ON | 2007/09/16 14:07 |
| L15 | 441   | "SONY-CORPORATION.as.<br>and"(network adj server) same<br>database and broadcast\$4               | USPAT              | OR | ON | 2007/09/16 14:07 |
| L16 | 9     | SONY-CORPORATION.as.<br>and(network adj server) same<br>database and broadcast\$4                 | USPAT              | OR | ON | 2007/09/16 14:07 |
| L17 | 0     | SONY-CORPORATION.as.<br>and(network adj server) same<br>database and broadcast\$4 and<br>verify   | USPAT              | OR | ON | 2007/09/16 14:08 |
| L18 | 0     | MAEDA-SATORU.in. and(network<br>adj server) same database and<br>broadcast\$4 and verify          | USPAT              | OR | ON | 2007/09/16 14:08 |
| L19 | 0     | YOSHIKAWA-MUNEHIRO.in.<br>and(network adj server) same<br>database and broadcast\$4 and<br>verify | USPAT              | OR | ON | 2007/09/16 14:08 |
| L20 | 0     | TANI-NOBUTAKA.in. and(network<br>adj server) same database and<br>broadcast\$4 and verify         | USPAT              | OR | ON | 2007/09/16 14:09 |
| L21 | 0     | OKAZAKI-SHINJI.in. and(network<br>adj server) same database and<br>broadcast\$4 and verify        | USPAT              | OR | ON | 2007/09/16 14:09 |
| L22 | 0     | YOTSUMOTO-NATSUKO.in.<br>and(network adj server) same<br>database and broadcast\$4 and<br>verify  | USPAT              | OR | ON | 2007/09/16 14:10 |
| L23 | 0     | ASAI-MASAHIRO.in. and(network<br>adj server) same database and<br>broadcast\$4 and verify         | USPAT              | OR | ON | 2007/09/16 14:10 |
| L24 | 0     | UCHIDA-MAMI.in. and(network adj<br>server) same database and<br>broadcast\$4 and verify           | USPAT              | OR | ON | 2007/09/16 14:10 |
| L25 | 0     | MIURA-TAKAAKI.in. and(network<br>adj server) same database and<br>broadcast\$4 and verify         | USPAT              | OR | ON | 2007/09/16 14:10 |
| L26 | 0     | TAKATA-KATSUHISA.in.<br>and(network adj server) same<br>database and broadcast\$4 and<br>verify   | USPAT              | OR | ON | 2007/09/16 14:11 |
| L27 | 0     | TAKATA-KATSUHISA.in.<br>and(network adj server) same<br>database and broadcast\$4 and<br>verify   | US-PGPUB;<br>USPAT | OR | ON | 2007/09/16 14:11 |

## EAST Search History

|          |       |  |       |    |    |                  |
|----------|-------|--|-------|----|----|------------------|
| S50<br>0 | 50    | record\$4 same identify\$4 adj<br>information same verify\$4   | USPAT | OR | ON | 2005/11/04 16:03 |
| S50<br>1 | 17024 | record\$4 same identify\$4 adj<br>information same verify\$4 709/2\$\$<br>ccls.  | USPAT | OR | ON | 2005/01/08 16:21 |
| S50<br>2 | 0     | record\$4 same identify\$4 adj<br>information same verify\$4 and<br>709/2\$\$ccls.   | USPAT | OR | ON | 2005/01/08 16:21 |
| S50<br>3 | 50    | record\$4 same (identify\$4 adj<br>information) same verify\$4   | USPAT | OR | ON | 2005/01/08 16:21 |
| S50<br>4 | 49    | record\$4 same (identify\$4 adj<br>information) same verify\$4 and<br>process\$4   | USPAT | OR | ON | 2005/01/08 16:22 |
| S50<br>5 | 25    | record\$4 same (identify\$4 adj<br>information) same verify\$4 same<br>process\$4  | USPAT | OR | ON | 2005/01/08 16:22 |
| S50<br>6 | 0     | record\$4 same (identify\$4 adj<br>information) same verify\$4 same<br>process\$4 and "709""2"\$\$ccls.  | USPAT | OR | ON | 2005/01/08 16:22 |
| S50<br>7 | 0     | record\$4 same (identify\$4 adj<br>information) same verify\$4 same<br>process\$4 and 709/2\$\$ccls.   | USPAT | OR | ON | 2005/01/08 16:22 |
| S50<br>8 | 10    | record\$4 same (identify\$4 adj<br>information) same verify\$4 same<br>process\$4 and serial   | USPAT | OR | ON | 2005/01/08 16:23 |
| S50<br>9 | 4     | record\$4 same (identify\$4 adj<br>information) same verify\$4 same<br>process\$4 and serial and password  | USPAT | OR | ON | 2005/01/08 16:23 |
| S51<br>0 | 5     | record\$4 same (identify\$4 adj<br>information) same verify\$4 and<br>process\$4 and serial and password   | USPAT | OR | ON | 2005/01/08 16:28 |
| S51<br>1 | 84    | record\$4 same (identify\$4 adj<br>information)and verify\$4 and<br>process\$4 and serial and password<br>and control\$4                                   | USPAT | OR | ON | 2005/01/08 16:28 |
| S51<br>2 | 9     | record\$4 same (identify\$4 adj<br>information)and verify\$4 and<br>process\$4 and serial and password<br>and control\$4 and 709/2\$\$ccls.                | USPAT | OR | ON | 2005/01/08 16:28 |
| S51<br>3 | 9     | record\$4 same (identify\$4 adj<br>information)and verify\$4 and<br>process\$4 and serial and password<br>and control\$4 and 709/2\$\$ccls. and<br>network | USPAT | OR | ON | 2005/01/08 16:31 |

## EAST Search History

|          |      |   |       |    |    |                  |
|----------|------|---|-------|----|----|------------------|
| S51<br>4 | 4    | record\$4 same (identify\$4 adj information)and verify\$4 and process\$4 and serial and password and control\$4 and 709/2\$\$ccls. and client same server | USPAT | OR | ON | 2005/01/08 16:32 |
| S51<br>5 | 4    | client and server and record\$4 same (identify\$4 adj information)and verify\$4 and process\$4 and serial and password and control\$4 and 709/2\$\$ccls.  | USPAT | OR | ON | 2005/01/08 16:33 |
| S51<br>6 | 0    | (network adj managment adj server) and (identify\$4 adj information) and verify\$4 and (serial adj number)  | USPAT | OR | ON | 2005/01/08 16:34 |
| S51<br>7 | 1    | (network adj managment adj server)  | USPAT | OR | ON | 2005/01/08 16:35 |
| S51<br>8 | 7530 | (network adj server)  | USPAT | OR | ON | 2005/01/08 16:35 |
| S51<br>9 | 36   | (network adj server)and (identify\$4 adj information) and verify\$4 and (serial adj number)   | USPAT | OR | ON | 2005/01/08 16:35 |
| S52<br>0 | 15   | (network adj server)and (identify\$4 adj information) and verify\$4 and (serial adj number) and equipment   | USPAT | OR | ON | 2005/01/08 16:38 |
| S52<br>1 | 3    | (network adj server)and (identify\$4 adj information) and verify\$4 and (serial adj number) and equipment and 709/2\$\$ccls.                              | USPAT | OR | ON | 2005/01/27 08:45 |
| S52<br>2 | 9    | (network adj server)same database same process\$4 same broadcast\$4   | USPAT | OR | ON | 2005/01/27 08:48 |
| S52<br>3 | 3    | (management adj server)same database same process\$4 same broadcast\$4  | USPAT | OR | ON | 2005/01/27 08:48 |
| S52<br>4 | 20   | (network adj2 server)same database same process\$4 same broadcast\$4  | USPAT | OR | ON | 2005/01/27 11:05 |
| S52<br>5 | 0    | (network adj2 server)same database same process\$4 same (broadcast\$4 adj device)   | USPAT | OR | ON | 2005/01/27 11:06 |
| S52<br>6 | 266  | (network adj server) same database and broadcast\$4   | USPAT | OR | ON | 2005/01/27 11:07 |
| S52<br>7 | 101  | (network adj server) same database and broadcast\$4 and 709/2\$\$ccls.  | USPAT | OR | ON | 2005/01/27 11:07 |
| S52<br>8 | 39   | (network adj server) same database and broadcast\$4 and 709/2\$\$ccls. and verify\$4  | USPAT | OR | ON | 2005/01/27 11:08 |



## EAST Search History

|      |     |  |       |    |     |                  |
|------|-----|--|-------|----|-----|------------------|
| S529 | 1   | ("6345288").PN.  | USPAT | OR | OFF | 2005/01/28 09:55 |
| S530 | 127 | (network adj management adj server)  | USPAT | OR | ON  | 2005/11/04 16:03 |
| S531 | 0   | (network adj management adj server) same client same broadcast same storage  | USPAT | OR | ON  | 2005/11/04 16:04 |
| S532 | 0   | (network adj management adj server)same broadcast same storage   | USPAT | OR | ON  | 2005/11/04 16:04 |
| S533 | 2   | (network adj management adj server)and broadcast same storage  | USPAT | OR | ON  | 2005/11/04 16:04 |
| S534 | 0   | (network adj management adj server)and broadcast same (storage and serial adj number)  | USPAT | OR | ON  | 2005/11/04 16:05 |
| S535 | 0   | (network adj management adj server)and broadcast same storage and (serial adj number)  | USPAT | OR | ON  | 2005/11/04 16:05 |
| S536 | 0   | (network adj management adj server)and broadcast and (television or tvs) and storage and (serial adj number)   | USPAT | OR | ON  | 2005/11/04 16:06 |
| S537 | 3   | (network adj management adj server)and broadcast and storage and (serial adj number)   | USPAT | OR | ON  | 2005/11/04 16:07 |
| S538 | 36  | (management adj server)and broadcast and storage and (serial adj number)   | USPAT | OR | ON  | 2005/11/04 16:07 |
| S539 | 13  | (management adj server)and broadcast and storage and (serial adj number) and (television or tv)  | USPAT | OR | ON  | 2005/11/04 16:08 |
| S540 | 9   | @ad<"20001130" and(management adj server)and broadcast and storage and (serial adj number) and (television or tv)                                      | USPAT | OR | ON  | 2005/11/04 16:43 |
| S541 | 2   | @ad<"20001130" and(management adj server)and (broadcast adj station) and storage and (serial adj number) and (television or tv)                        | USPAT | OR | ON  | 2005/11/04 16:44 |
| S542 | 0   | @ad<"20001130" and(management adj server)and (broadcast adj station) and storage and (serial adj number) and (television or tv) and (user adj profile) | USPAT | OR | ON  | 2005/11/04 16:45 |

## EAST Search History

|          |    |  |       |    |    |                  |
|----------|----|--|-------|----|----|------------------|
| S54<br>3 | 0  | @ad<"20001130" and(management adj server)and (broadcast adj station) and (serial adj number) and (television or tv) and (user adj profile)   | USPAT | OR | ON | 2005/11/04 16:46 |
| S54<br>4 | 2  | @ad<"20001130" and(management adj server)and (broadcast ) and (serial adj number) and (television or tv) and (user adj profile)  | USPAT | OR | ON | 2005/11/04 16:51 |
| S54<br>5 | 2  | @ad<"20001130" and(management adj server)and (broadcast) and (serial adj number) and (television or tv) and (user adj profile)   | USPAT | OR | ON | 2005/11/04 16:51 |
| S54<br>6 | 24 | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and (user adj profile)  | USPAT | OR | ON | 2005/11/04 16:53 |
| S54<br>7 | 93 | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and identif\$4  | USPAT | OR | ON | 2005/11/04 16:53 |
| S54<br>8 | 10 | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and (serial adj number) and identif\$4  | USPAT | OR | ON | 2005/11/04 16:53 |
| S54<br>9 | 8  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and storage and (serial adj number) and identif\$4  | USPAT | OR | ON | 2005/11/04 16:56 |
| S55<br>0 | 5  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and storage and (serial adj number) and identif\$4 and register\$4                                  | USPAT | OR | ON | 2005/11/04 16:59 |
| S55<br>1 | 5  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and record\$3 and (serial adj number) and identif\$4 and register\$4                                | USPAT | OR | ON | 2005/11/04 17:17 |
| S55<br>2 | 5  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and (record\$3 or storage) and (serial adj number) and identif\$4 and register\$4                   | USPAT | OR | ON | 2005/11/04 16:59 |
| S55<br>3 | 2  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and (information adj (record\$3 or storage)) and (serial adj number) and identif\$4 and register\$4 | USPAT | OR | ON | 2005/11/04 17:01 |

## EAST Search History

|          |   |   |       |    |    |                  |
|----------|---|---|-------|----|----|------------------|
| S55<br>4 | 2 | @ad<"20001130" and(management<br>adj server)and (broadcast)and<br>(television or tv) and (information<br>adj record\$3) and (serial adj<br>number) and identif\$4 and<br>register\$4                                      | USPAT | OR | ON | 2005/11/04 17:01 |
| S55<br>5 | 2 | @ad<"20001130" and(management<br>adj server)and (broadcast)and<br>(television or tv) and (information<br>adj record\$3) and (serial adj<br>number) and identif\$4   | USPAT | OR | ON | 2005/11/04 17:01 |
| S55<br>6 | 0 | @ad<"20001130" and(management<br>adj server)and (broadcast adj<br>station)and (television or tv) and<br>(information adj record\$3) and<br>(serial adj number) and identif\$4   | USPAT | OR | ON | 2005/11/04 17:01 |
| S55<br>7 | 1 | @ad<"20001130" and(management<br>adj server)and (broadcast)and<br>(television or tv) and (information<br>adj record\$3) and (serial adj<br>number) and identif\$4 and profile   | USPAT | OR | ON | 2005/11/04 17:02 |
| S55<br>8 | 1 | @ad<"20001130" and(management<br>adj server)and (broadcast)and<br>(television or tv) and (information<br>adj record\$3) same control\$4 and<br>(serial adj number) and identif\$4<br>and (user adj profile) and verify\$3 | USPAT | OR | ON | 2005/11/04 17:05 |
| S55<br>9 | 1 | @ad<"20001130" and(management<br>adj server)and (broadcast)and<br>(information adj record\$3) same<br>control\$4 and (serial adj number)<br>and identif\$4 and (user adj profile)<br>and verify\$3                        | USPAT | OR | ON | 2005/11/04 17:06 |
| S56<br>0 | 1 | @ad<"20001130" and client and<br>(management adj server)and<br>(broadcast)and (information adj<br>record\$3) same control\$4 and<br>(serial adj number) and identif\$4<br>and (user adj profile) and verify\$3            | USPAT | OR | ON | 2005/11/04 17:08 |
| S56<br>1 | 1 | @ad<"20001130" and client and<br>(management adj<br>server)and(information adj<br>record\$3) same control\$4 and<br>(serial adj number) and identif\$4<br>and (user adj profile) and verify\$3<br>same transmit\$3        | USPAT | OR | ON | 2005/11/04 17:09 |

## EAST Search History

|          |   |  |       |    |    |                  |
|----------|---|--|-------|----|----|------------------|
| S56<br>2 | 0 | @ad<"20001130" and client and (network adj management adj server)and(information adj record\$3) same control\$4 and (serial adj number) and identif\$4 and (user adj profile) and verify\$3 same transmit\$3 | USPAT | OR | ON | 2005/11/04 17:09 |
| S56<br>3 | 0 | @ad<"20001130" and client and (management adj server)and(information adj record\$3) same (storage adj control\$4)and identif\$4 and (user adj profile) and verify\$3 same transmit\$3                        | USPAT | OR | ON | 2005/11/04 17:10 |
| S56<br>4 | 0 | @ad<"20001130" and client and (management adj server) and record\$3 same (storage adj control\$4)and identif\$4 and (user adj profile) and verify\$3 same transmit\$3  | USPAT | OR | ON | 2005/11/04 17:11 |
| S56<br>5 | 0 | @ad<"20001130" and client and (management adj server) and record\$3 same (storage adj control\$4)and identif\$4 and verify\$3 same transmit\$3   | USPAT | OR | ON | 2005/11/04 17:11 |
| S56<br>6 | 0 | @ad<"20001130" and client and (management adj server) and record\$3 and(storage adj control\$4) and identif\$4 and verify\$3 same transmit\$3  | USPAT | OR | ON | 2005/11/04 17:11 |
| S56<br>7 | 0 | @ad<"20001130" and (management adj server) and record\$3 and (storage adj control\$4) and identif\$4 and verify\$3 same transmit\$3  | USPAT | OR | ON | 2005/11/04 17:11 |
| S56<br>8 | 8 | @ad<"20001130" and (management adj server) and record\$3 and (storage adj control\$4) and identif\$4 and verify\$3 andtransmit\$3  | USPAT | OR | ON | 2005/11/04 17:11 |
| S56<br>9 | 7 | @ad<"20001130" and (management adj server) and record\$3 and (storage adj control\$4) and identif\$4 and verify\$3 and transmit\$3   | USPAT | OR | ON | 2005/11/04 17:13 |
| S57<br>0 | 0 | @ad<"20001130" and (management adj server) and record\$3 and (storage adj control\$4) and identif\$4 and verify\$3 and transmit\$3 and (user adj profile)  | USPAT | OR | ON | 2005/11/04 17:13 |

## EAST Search History

|          |     |   |       |    |    |                  |
|----------|-----|---|-------|----|----|------------------|
| S57<br>1 | 0   | @ad<"20001130" and (network adj management adj server) and record\$3 and (storage adj control\$4) and identif\$4 and verify\$3 and transmit\$3 and (user adj profile) | USPAT | OR | ON | 2005/11/04 17:13 |
| S57<br>2 | 0   | @ad<"20001130" and (network adj management adj server) and (storage adj control\$4) and identif\$4 and verify\$3 and transmit\$3 and (user adj profile)               | USPAT | OR | ON | 2005/11/04 17:14 |
| S57<br>3 | 0   | @ad<"20001130" and (network adj management adj server) and (storage adj control\$4) and identif\$4 and verify\$3 and transmit\$3 and profile                          | USPAT | OR | ON | 2005/11/04 17:14 |
| S57<br>4 | 0   | @ad<"20001130" and (network adj management adj server) and (storage adj control\$4)   | USPAT | OR | ON | 2005/11/04 17:15 |
| S57<br>5 | 109 | @ad<"20001130" and (network adj management adj server)  | USPAT | OR | ON | 2005/11/04 17:15 |
| S57<br>6 | 0   | @ad<"20001130" and (network adj management adj server) same (user adj profile) same identify\$4 same verify\$4 same record\$3   | USPAT | OR | ON | 2005/11/04 17:15 |
| S57<br>7 | 0   | @ad<"20001130" and (network adj management adj server) same (user adj profile)  | USPAT | OR | ON | 2005/11/04 17:15 |
| S57<br>8 | 4   | @ad<"20001130" and (network adj management adj server)and (user adj profile)  | USPAT | OR | ON | 2005/11/04 17:16 |
| S57<br>9 | 0   | @ad<"20001130" and (network adj management adj server) and (user adj profile) and identify\$4 same verify\$4 same record\$3   | USPAT | OR | ON | 2005/11/04 17:16 |
| S58<br>0 | 0   | @ad<"20001130" and (network adj management adj server) and (user adj profile) and identify\$4 and verify\$4 same record\$3  | USPAT | OR | ON | 2005/11/04 17:16 |
| S58<br>1 | 3   | @ad<"20001130" and (network adj management adj server) and identify\$4 and verify\$4 same record\$3   | USPAT | OR | ON | 2005/11/04 17:20 |
| S58<br>2 | 0   | @ad<"20001130" and (network adj management adj server) and identify\$4 and verify\$4 same record\$3 and storage   | USPAT | OR | ON | 2005/11/04 17:16 |

## EAST Search History

|          |    |  |       |    |    |                  |
|----------|----|--|-------|----|----|------------------|
| S58<br>3 | 0  | @ad<"20001130" and (network adj management adj server) and identify\$4 and verify\$4 same record\$3 and broadcast  | USPAT | OR | ON | 2005/11/04 17:16 |
| S58<br>4 | 2  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and record\$3 and (serial adj number) and identif\$4 and verify\$3                  | USPAT | OR | ON | 2006/11/17 17:01 |
| S58<br>5 | 2  | @ad<"20001130" and(management adj server)and (broadcast)and (television or tv) and information same record\$3 and (serial adj number) and identif\$4 and verify\$3 | USPAT | OR | ON | 2005/11/04 17:17 |
| S58<br>6 | 52 | @ad<"20001130" and (management adj server) and identify\$4 and verify\$4 same record\$3  | USPAT | OR | ON | 2005/11/04 17:20 |
| S58<br>7 | 0  | @ad<"20001130" and (management adj server) and identify\$4 and verify\$4 same record\$3 and (storage adj control\$4)   | USPAT | OR | ON | 2005/11/04 17:21 |
| S58<br>8 | 22 | @ad<"20001130" and (management adj server) and identify\$4 and verify\$4 same record\$3 and (user adj profile)   | USPAT | OR | ON | 2005/11/04 17:21 |
| S58<br>9 | 9  | @ad<"20001130" and (management adj server) and identify\$4 and verify\$4 same record\$3 and (user adj profile) same control\$4                                     | USPAT | OR | ON | 2005/11/04 17:23 |
| S59<br>0 | 9  | @ad<"20001130" and client and (management adj server) and identify\$4 and verify\$4 same record\$3 and (user adj profile) same control\$4                          | USPAT | OR | ON | 2005/11/04 17:24 |
| S59<br>1 | 7  | @ad<"20001130" and client and (management adj server) and identify\$4 and verify\$4 same record\$3 and (user adj profile) and (information adj control\$3)         | USPAT | OR | ON | 2005/11/04 17:25 |
| S59<br>2 | 22 | @ad<"20001130" and client and (management adj server) and identify\$4 and verify\$4 same record\$3 and (user adj profile)  | USPAT | OR | ON | 2005/11/07 15:52 |
| S59<br>3 | 0  | @ad<"20001130" and (device adj identif\$4 adj number) same register\$3 same (equipment adj serial adj number)  | USPAT | OR | ON | 2005/11/07 15:54 |

## EAST Search History

|          |    |   |       |    |     |                  |
|----------|----|---|-------|----|-----|------------------|
| S59<br>4 | 0  | @ad<"20001130" and (device adj<br>identif\$4 adj number) same<br>register\$3 and (equipment adj serial<br>adj number)   | USPAT | OR | ON  | 2005/11/07 15:54 |
| S59<br>5 | 0  | @ad<"20001130" and (device adj<br>identif\$4 adj number) and<br>register\$3 and (equipment adj serial<br>adj number)    | USPAT | OR | ON  | 2005/11/07 15:55 |
| S59<br>6 | 25 | @ad<"20001130" and (device adj<br>identif\$4 adj number) and<br>register\$3   | USPAT | OR | ON  | 2005/11/07 15:55 |
| S59<br>7 | 0  | @ad<"20001130" and (device adj<br>identif\$4 adj number) and<br>(equipment adj serial adj number)                       | USPAT | OR | ON  | 2005/11/07 15:55 |
| S59<br>8 | 15 | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number)   | USPAT | OR | ON  | 2005/11/07 15:55 |
| S59<br>9 | 14 | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database                                | USPAT | OR | ON  | 2005/11/07 15:56 |
| S60<br>0 | 0  | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database and filter\$4                  | USPAT | OR | ON  | 2005/11/07 15:56 |
| S60<br>1 | 0  | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database and filter\$3                  | USPAT | OR | ON  | 2005/11/07 15:56 |
| S60<br>2 | 10 | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database and server                     | USPAT | OR | ON  | 2005/11/07 15:58 |
| S60<br>3 | 14 | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database                                | USPAT | OR | ON  | 2005/11/07 16:02 |
| S60<br>4 | 12 | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database and verif\$4                   | USPAT | OR | ON  | 2005/11/07 16:03 |
| S60<br>5 | 12 | @ad<"20001130" and register\$3<br>same (equipment adj serial adj<br>number) and database and verif\$4<br>and control\$3 | USPAT | OR | ON  | 2005/11/08 14:58 |
| S60<br>6 | 1  | ("5629981").PN.   | USPAT | OR | OFF | 2005/11/08 15:08 |
| S60<br>7 | 1  | ("6745234").PN.   | USPAT | OR | OFF | 2005/11/08 15:08 |
| S60<br>8 | 0  | @ad<"20001130" and rule\$1 near<br>(internet adj service) same access<br>same file\$1                                   | USPAT | OR | ON  | 2006/06/09 18:06 |

## EAST Search History

|      |     |   |       |    |     |                  |
|------|-----|---|-------|----|-----|------------------|
| S609 | 6   | @ad<"20001130" and rule\$1 same(internet adj service) same access same file\$1                              | USPAT | OR | ON  | 2006/06/11 12:12 |
| S610 | 0   | @ad<"20001130" and rule\$1 with(internet adj service) same access same file\$1                              | USPAT | OR | ON  | 2006/06/11 12:13 |
| S611 | 0   | @ad<"20001130" and (internet adj service) same rule\$1 with access same file\$1                             | USPAT | OR | ON  | 2006/06/11 12:13 |
| S612 | 317 | @ad<"20001130" and (internet adj service) same access same file\$1  | USPAT | OR | ON  | 2006/06/11 12:13 |
| S613 | 6   | @ad<"20001130" and (internet adj service) same access same file\$1 same rule\$1                             | USPAT | OR | ON  | 2006/06/11 12:14 |
| S614 | 13  | @ad<"20001130" and (internet near service) same access same file\$1 same rule\$1                            | USPAT | OR | ON  | 2006/06/11 12:14 |
| S615 | 0   | @ad<"20001130" and rule\$1 with (internet near service) same access same file\$1                            | USPAT | OR | ON  | 2006/06/11 12:14 |
| S616 | 0   | @ad<"20001130" and rule\$1 with (internet near service\$1) same access same file\$1                         | USPAT | OR | ON  | 2006/06/11 12:14 |
| S617 | 0   | @ad<"20001130" and rule\$1 with (internet near service\$1) same access\$3 same file\$1                      | USPAT | OR | ON  | 2006/06/11 12:15 |
| S618 | 0   | @ad<"20001130" and (protocol adj file) near rule\$1 same (internet near service\$1)                         | USPAT | OR | ON  | 2006/06/11 12:16 |
| S619 | 0   | @ad<"20001130" and (protocol adj file) near3 rule\$1 same (internet near service\$1)                        | USPAT | OR | ON  | 2006/06/11 12:16 |
| S620 | 0   | @ad<"20001130" and (protocol adj file) with rule\$1 same (internet near service\$1)                         | USPAT | OR | ON  | 2006/06/11 12:16 |
| S621 | 1   | @ad<"20001130" and (protocol adj file) same rule\$1 same (internet near service\$1)                         | USPAT | OR | ON  | 2006/06/11 12:17 |
| S622 | 0   | @ad<"20001130" and (protocol adj file) same rule\$1 same (internet near service\$1) and access near file\$3 | USPAT | OR | ON  | 2006/06/11 12:18 |
| S623 | 1   | @ad<"20001130" and (protocol adj file) same rule\$1 same (internet near service\$1) and access              | USPAT | OR | ON  | 2006/06/11 13:28 |
| S624 | 1   | ("6,269,403").PN.   | USPAT | OR | OFF | 2006/06/11 13:28 |



## EAST Search History

|          |    |   |       |    |     |                  |
|----------|----|---|-------|----|-----|------------------|
| S62<br>5 | 1  | ("6,073,124").PN.   | USPAT | OR | OFF | 2006/06/11 14:47 |
| S62<br>6 | 1  | ("6,711,154").PN.   | USPAT | OR | OFF | 2006/06/11 15:23 |
| S62<br>7 | 1  | ("6073124").PN.   | USPAT | OR | OFF | 2006/06/16 15:18 |
| S62<br>8 | 0  | ("clientsameserversamesystemsamesame (bannerorads)").PN.  | USPAT | OR | OFF | 2006/06/11 16:04 |
| S62<br>9 | 0  | client same server same system same (bannerorads)   | USPAT | OR | OFF | 2006/06/11 16:04 |
| S63<br>0 | 84 | client same server same system same (banner or ads)   | USPAT | OR | OFF | 2006/06/11 16:04 |
| S63<br>1 | 0  | client same server same system same (banner or ads) near (pop adj up or pop-up)   | USPAT | OR | OFF | 2006/06/11 16:05 |
| S63<br>2 | 0  | client same server same system same (banner or ads) with (pop adj up or pop-up)   | USPAT | OR | OFF | 2006/06/11 16:05 |
| S63<br>3 | 0  | client same server same system same (banner or ads) with ((pop adj up) or pop-up)   | USPAT | OR | OFF | 2006/06/11 16:05 |
| S63<br>4 | 1  | client same server same system same (banner or ads) same ((pop adj up) or pop-up)   | USPAT | OR | OFF | 2006/06/11 16:05 |
| S63<br>5 | 3  | client same server same(banner or ads) same ((pop adj up) or pop-up)  | USPAT | OR | OFF | 2006/06/11 16:05 |
| S63<br>6 | 1  | client same server same (banner or ads) with ((pop adj up) or pop-up)   | USPAT | OR | OFF | 2006/06/11 16:14 |
| S63<br>7 | 3  | client same server same (banner or ads) same ((pop adj up) or pop-up)   | USPAT | OR | OFF | 2006/06/11 16:14 |
| S63<br>8 | 0  | client same server same sysem same ((internet adj service adj provider) or isp) same (banner or ads) same ((pop adj up) or pop-up)  | USPAT | OR | ON  | 2006/06/11 16:15 |
| S63<br>9 | 0  | client same server same system same ((internet adj service adj provider) or isp) same (banner or ads) same ((pop adj up) or pop-up) | USPAT | OR | ON  | 2006/06/11 16:16 |
| S64<br>0 | 5  | client same server same system same ((internet adj service adj provider) or isp) and (banner or ads) same ((pop adj up) or pop-up)  | USPAT | OR | ON  | 2006/06/11 16:16 |
| S64<br>1 | 2  | client same server same system same ((internet adj service adj provider) or isp) and (banner or ads) near3 ((pop adj up) or pop-up) | USPAT | OR | ON  | 2006/06/13 10:35 |

## EAST Search History

|          |    |   |                    |    |     |                  |
|----------|----|---|--------------------|----|-----|------------------|
| S64<br>2 | 1  | ("5708709").PN.   | USPAT              | OR | OFF | 2006/06/13 10:36 |
| S64<br>3 | 1  | ("6272673").PN.   | USPAT              | OR | OFF | 2006/06/15 16:24 |
| S64<br>4 | 1  | ("6370585").PN.   | USPAT              | OR | OFF | 2006/06/15 14:52 |
| S64<br>5 | 1  | ("6370585").PN.   | USPAT              | OR | OFF | 2006/06/15 17:28 |
| S64<br>6 | 1  | ("6078951").PN.   | USPAT              | OR | OFF | 2006/06/15 17:29 |
| S64<br>7 | 1  | ("5900871").PN.   | USPAT              | OR | OFF | 2006/06/15 17:29 |
| S64<br>8 | 1  | ("5682512").PN.   | USPAT              | OR | OFF | 2006/06/16 15:18 |
| S64<br>9 | 0  | (equipment or device)same receive\$4 same ((television or tv) adj ((broad adj cast\$4) or (multi adj cast\$))) and server   | USPAT              | OR | ON  | 2006/11/17 17:03 |
| S65<br>0 | 0  | (equipment or device)same receive\$4 same ((television or tv) adj ((broad adj cast\$4) or (multi adj cast\$))) and server   | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:03 |
| S65<br>1 | 1  | (equipment or device)same receive\$4 same ((television or tv) adj ((broad adj cast\$4) or (multi adj cast\$)))  | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:03 |
| S65<br>2 | 33 | (equipment or device)same receive\$4 same information same (transmit\$4 or transfer\$4 or send\$4 or forward\$4) adj (manage\$4 adj server)                       | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:04 |
| S65<br>3 | 33 | (equipment or device)same receive\$4 same information same ((transmit\$4 or transfer\$4 or send\$4 or forward\$4) adj (manage\$4 adj server))                     | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:07 |
| S65<br>4 | 1  | @ad<"20001120" and (equipment or device)same receive\$4 same information same ((transmit\$4 or transfer\$4 or send\$4 or forward\$4) adj (manage\$4 adj server))  | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:08 |
| S65<br>5 | 41 | @ad<"20001120" and (equipment or device)same receive\$4 same information same ((transmit\$4 or transfer\$4 or send\$4 or forward\$4) same (manage\$4 adj server)) | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:08 |

## EAST Search History

|          |       |   |                    |    |     |                  |
|----------|-------|---|--------------------|----|-----|------------------|
| S65<br>6 | 9     | @ad<"20001120" and (equiment or device)same receive\$4 same information same ((transmit\$4 or transfer\$4 or send\$4 or forward\$4) near4 (manage\$4 adj server)) | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:08 |
| S65<br>7 | 7     | @ad<"20001120" and (equiment or device)same receive\$4 same information same ((transmit\$4 or transfer\$4 or send\$4 or forward\$4) near3 (manage\$4 adj server)) | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/17 17:08 |
| S65<br>8 | 0     | protocol adj engine same operable same (concurrently or simult\$4)  | USPAT              | OR | ON  | 2007/04/24 15:08 |
| S65<br>9 | 0     | (protocol adj engine) same operable same (concurrently or simult\$4)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:39 |
| S66<br>0 | 0     | (protocol adj engine) same operable same concurrent   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 15:09 |
| S66<br>1 | 0     | (protocol adj3 engine) same operable same concurrent  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 15:09 |
| S66<br>2 | 33103 | (protocol adj3 engine) same concurrent or sim   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 15:10 |
| S66<br>3 | 14    | (protocol adj3 engine) same concurrent  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 15:10 |
| S66<br>4 | 12    | (protocol adj engine) same concurrent   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 15:31 |
| S66<br>5 | 26    | (protocol adj engine) same concurrent\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 17:44 |
| S66<br>6 | 0     | (protocol adj engine) same operable same concurrent\$3  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 15:33 |
| S66<br>7 | 1     | "20030182143"   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 17:42 |
| S66<br>8 | 26    | (protocol adj engine) same (concurrent\$3 or simultaneous\$3)   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 17:44 |
| S66<br>9 | 0     | (protocol adj engine) same operable same (concurrent\$3 or simultaneous\$3)   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 17:44 |
| S67<br>0 | 15    | (protocol adj engine) same (operable or work\$4 or run\$4 or process\$4) same (concurrent\$3 or simultaneous\$3)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 10:12 |
| S67<br>1 | 7     | (@ad<"20021105" or @rlad<"20021105") and (protocol adj engine) same (operable or work\$4 or run\$4 or process\$4) same (concurrent\$3 or simultaneous\$3)         | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/24 17:47 |
| S67<br>2 | 37    | "6697824"   | USPAT              | OR | OFF | 2007/04/24 18:02 |

## EAST Search History

|          |    |  |                    |    |     |                  |
|----------|----|--|--------------------|----|-----|------------------|
| S67<br>3 | 19 | "6772139"  | USPAT              | OR | OFF | 2007/04/25 10:48 |
| S67<br>4 | 1  | ("6678731").PN.  | USPAT              | OR | OFF | 2007/04/25 10:48 |
| S67<br>5 | 1  | ("6772139").PN.  | USPAT              | OR | OFF | 2007/04/26 10:39 |
| S67<br>6 | 1  | ("20030014320").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/04/26 10:49 |
| S67<br>7 | 0  | (network adj management) same<br>transmit\$4 same verif\$4 same<br>determin\$4 same ((sign-up) or (sign<br>adj up )) | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:42 |
| S67<br>8 | 0  | (network adj management) same<br>transmit\$4 same verif\$4 same<br>((sign-up) or (sign adj up ))                     | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:42 |
| S67<br>9 | 8  | (network adj management) and<br>transmit\$4 same verif\$4 same<br>((sign-up) or (sign adj up ))                      | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:43 |
| S68<br>0 | 31 | transmit\$4 same verif\$4 same<br>((sign-up) or (sign adj up ))  | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:44 |
| S68<br>1 | 0  | transmit\$4 same verif\$4 near4<br>((sign-up) or (sign adj up ))   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:44 |
| S68<br>2 | 0  | transmit\$4 same verif\$4 near5<br>((sign-up) or (sign adj up ))   | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/26 16:44 |
| S68<br>3 | 31 | transmit\$4 same verif\$4 same<br>((sign-up) or (sign adj up ))  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:28 |
| S68<br>4 | 3  | transmit\$4 same determin\$4 same<br>verif\$4 same ((sign-up) or (sign adj<br>up ))                                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:30 |
| S68<br>6 | 0  | transmit\$4 same determin\$4 near<br>verif\$4 near ((sign-up) or (sign adj<br>up ))                                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:32 |
| S68<br>7 | 0  | transmit\$4 same determin\$4 near3<br>verif\$4 near3 ((sign-up) or (sign adj<br>up ))                                | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:32 |
| S68<br>8 | 0  | transmit\$4 same determin\$4 same<br>verif\$4 near3 ((sign-up) or (sign adj<br>up ))                                 | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:33 |
| S68<br>9 | 0  | transmit\$4 and determin\$4 same<br>verif\$4 near3 ((sign-up) or (sign adj<br>up ))                                  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:33 |
| S69<br>0 | 26 | transmit\$4 and determin\$4 same<br>verif\$4 same ((sign-up) or (sign adj<br>up ))                                   | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:34 |
| S69<br>1 | 0  | transmit\$4 near verif\$4 same<br>((sign-up) or (sign adj up ))  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/02 16:34 |

## EAST Search History

|          |         |  |                    |    |    |                  |
|----------|---------|--|--------------------|----|----|------------------|
| S69<br>2 | 0       | transmit\$4 near3 verif\$4 same<br>((sign-up) or (sign adj up ))                               | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:34 |
| S69<br>3 | 2       | transmit\$4 near4 verif\$4 same<br>((sign-up) or (sign adj up ))                               | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:36 |
| S69<br>4 | 0       | transmit\$4 and verif\$4 near3<br>((sign-up) or (sign adj up ))same<br>executed                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:36 |
| S69<br>5 | 0       | verif\$4 near3 ((sign-up) or (sign adj<br>up ))same executed                                   | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:36 |
| S69<br>6 | 14      | verif\$4 near3 ((sign-up) or (sign adj<br>up ))  | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:36 |
| S69<br>7 | 1420672 | transmit\$4 adn verif\$4 near3<br>((sign-up) or (sign adj up ))                                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:37 |
| S69<br>8 | 4       | transmit\$4 and verif\$4 near3<br>((sign-up) or (sign adj up ))                                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:39 |
| S69<br>9 | 4       | transmit\$4 and verif\$4 near4<br>((sign-up) or (sign adj up ))                                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:39 |
| S70<br>0 | 547     | transmit\$4 and verif\$4 near4<br>((sign-up) or (sign adj up ) or<br>(login) or (log adj in))  | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:40 |
| S70<br>1 | 182     | transmit\$4 and verif\$4 near<br>((sign-up) or (sign adj up ) or<br>(login) or (log adj in))   | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:40 |
| S70<br>2 | 29      | transmit\$4 same verif\$4 near<br>((sign-up) or (sign adj up ) or<br>(login) or (log adj in))  | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:42 |
| S70<br>3 | 5       | transmit\$4 near3 verif\$4 near<br>((sign-up) or (sign adj up ) or<br>(login) or (log adj in)) | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:43 |
| S70<br>4 | 0       | transmit\$4 near3 verif\$4 near<br>((sign-up) or (sign adj up ))                               | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:43 |
| S70<br>5 | 220     | verif\$4 same ((sign-up) or (sign adj<br>up ))   | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:43 |
| S70<br>6 | 6       | verif\$4 near ((sign-up) or (sign adj<br>up ))   | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:44 |
| S70<br>7 | 1       | (@ad<"20001130" and<br>@rlad<"20001130") and verif\$4<br>near ((sign-up) or (sign adj up ))    | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:46 |
| S70<br>8 | 1       | (@ad<"20001130" and<br>@rlad<"20001130") and verif\$4<br>near3 ((sign-up) or (sign adj up ))   | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:46 |
| S70<br>9 | 1       | (@ad<"20001130" and<br>@rlad<"20001130") and verif\$4<br>near4 ((sign-up) or (sign adj up ))   | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:46 |

## EAST Search History

|          |      |  |                    |    |    |                  |
|----------|------|--|--------------------|----|----|------------------|
| S71<br>0 | 12   | (@ad<"20001130" and @rlad<"20001130") and verif\$4 same ((sign-up) or (sign adj up ))                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:48 |
| S71<br>1 | 1    | (@ad<"20001130" and @rlad<"20001130") and verif\$4 with ((sign-up) or (sign adj up ))                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:48 |
| S71<br>2 | 12   | (@ad<"20001130" and @rlad<"20001130") and verif\$4 same ((sign-up) or (sign adj up ))                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:49 |
| S71<br>3 | 2028 | (@ad<"20001130" and @rlad<"20001130") and verif\$4 same ((sign-up) or (sign adj up or regist\$4))    | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:50 |
| S71<br>4 | 2024 | (@ad<"20001130" and @rlad<"20001130") and verif\$4 same ((sign-up) or (sign adj up) or register\$4)  | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:50 |
| S71<br>5 | 290  | (@ad<"20001130" and @rlad<"20001130") and verif\$4 near3 ((sign-up) or (sign adj up) or register\$4) | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:56 |
| S71<br>6 | 1    | (@ad<"20001130" and @rlad<"20001130") and verif\$4 near3 ((sign-up) or (sign adj up))                | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:53 |
| S71<br>7 | 2024 | (@ad<"20001130" and @rlad<"20001130") and verif\$4 same ((sign-up) or (sign adj up) or register\$4)  | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:57 |
| S71<br>8 | 12   | (@ad<"20001130" and @rlad<"20001130") and verif\$4 same ((sign-up) or (sign adj up))                 | US-PGPUB;<br>USPAT | OR | ON | 2007/05/02 16:57 |